

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/21/00

Date Received: 11/14/00

Project: Metro Self Monitor, PO# M64824

Date Extracted: 11/15/00

Date Analyzed: 11/15/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M64824 011080-01	0.25	0.13	0.15	0.06
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: 11/21/00

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 011080-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.25	0.24	4	0-20
Copper	mg/L (ppm)	0.13	0.13	0	0-20
Nickel	mg/L (ppm)	0.15	0.15	0	0-20
Zinc	mg/L (ppm)	0.06	0.06	0	0-20

Laboratory Code: 011080-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.25	100	104	80-120	4
Copper	mg/L (ppm)	5	0.13	103	109	80-120	6
Nickel	mg/L (ppm)	10	0.15	99	99	80-120	0
Zinc	mg/L (ppm)	5	0.06	107	101	80-120	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	103	104	80-120	1
Copper	mg/L (ppm)	5	110	112	80-120	2
Nickel	mg/L (ppm)	10	102	103	80-120	1
Zinc	mg/L (ppm)	5	105	107	80-120	2

FRIEDMAN & BRUYA, INC.
3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282

AI

Send Report To:

Company Alaskan Copper Works Contact Gregory A. Thompson
Address 628 S. HANCOCK ST
City, State, Zip Seattle WA 98134
Phone # 206-382-8379 FAX # 206-382-4309 Date 11-14-00

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

metro Self monitor

M64824

SAMPLERS (signature)

PROJECT LOCATION

REMARKS

SAMPLE DISPOSAL INFORMATION

☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

Sample #

Date/Time
Sampled

Type of Sample

of
Jars

Lab
Sample #

Analyses Requested

m 64824

11/14/00 9:10

$$H_2O$$

1

0

Ok Cu vi z

SIGNATURE

PRINT NAME

COMPANY

Date _____

Time

Relinquished by:

Census A. Thompson

Ac

11/14/00

9:45

Received by:

Steven Wines

FBI

11-14-00

9:45

Relinquished by:

Received by:

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

November 21, 2000

DUPLICATE COPY

INVOICE #00ACU1121-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64824 - Results of testing requested by
Gerald A. Thompson for material submitted on November 14, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

November 21, 2000

Gerald A. Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

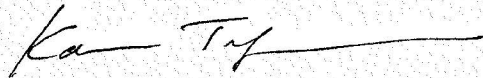
Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 14, 2000 from your Metro Self Monitor, PO# M64824 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU1121R.DOC